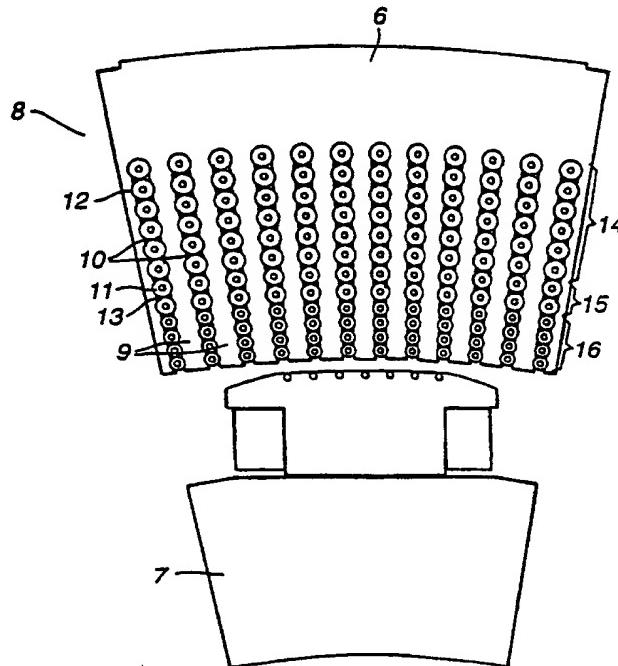


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(54) Title: **HIGH VOLTAGE ROTATING ELECTRIC MACHINES**

(57) Abstract

A rotating electric machine for direct connection to all types of high-voltage networks, in which the magnetic circuit adapted for high voltage comprises a rotor (7), stator (6) and at least one winding. The winding, or at least one of the windings, comprises cooled conductor means (3), preferably cooled superconducting means, surrounded by a solid insulation system (4).